

CONSTRUCTION DETAILS

1. INSTALL 21' (CUT DOWN FROM 27') STEEL POLE WITH 70' ARM, POLE MOUNTED CABINET WITH CONTROLLER, TWO (2) 3" SCHEDULE 80 PVC CONDUIT BENDS, 1" GALVANIZED RISER, CONCRETE PAD, 1 1/2" GALVANIZED RISER, PHOTOCELL, GROUND ROD, FOUNDATION, AND GROUT.
(NOTE: PROPOSED FOUNDATION IS TO BE INSTALLED 12" ABOVE GRADE LEVEL.)
2. INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
3. INSTALL PROPOSED HANDHOLE, AND GROUND ROD.
4. PROPOSED SERVICE FEED BY B.G. & E.
5. REMOVE EXISTING STEEL POLE WITH ARM, AND CABINET. REMOVE AND DISPOSE OF FOUNDATION 12" BELOW GRADE.
6. EXISTING SERVICE TO BE REMOVED BY B.G. & E.

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
1	EACH	EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A POLE MOUNTED CABINET W/ INTERSECTION MONITOR AND BATTERY BACKUP
4	EACH	12" ONE WAY, ONE SECTION (Y) SIGNAL HEAD, MAST ARM MOUNTED HARDWARE
4	EACH	12" ONE WAY, ONE SECTION (R) SIGNAL HEAD, MAST ARM MOUNTED HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

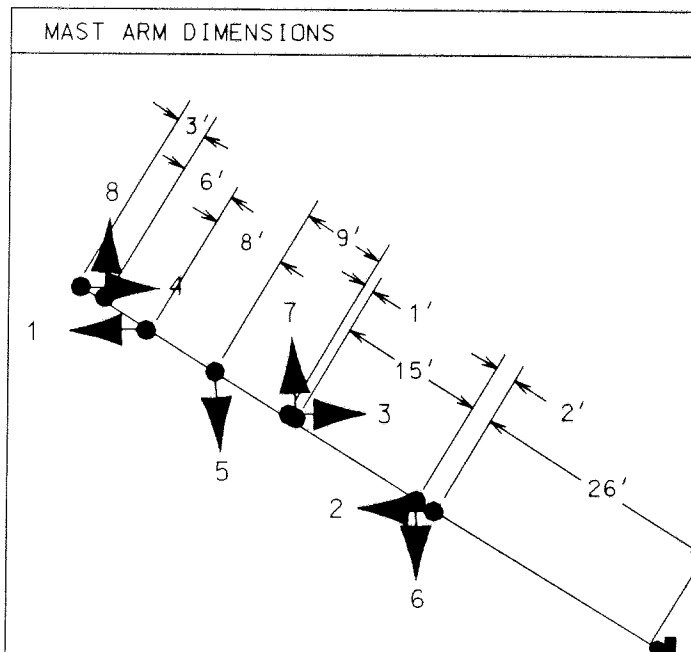
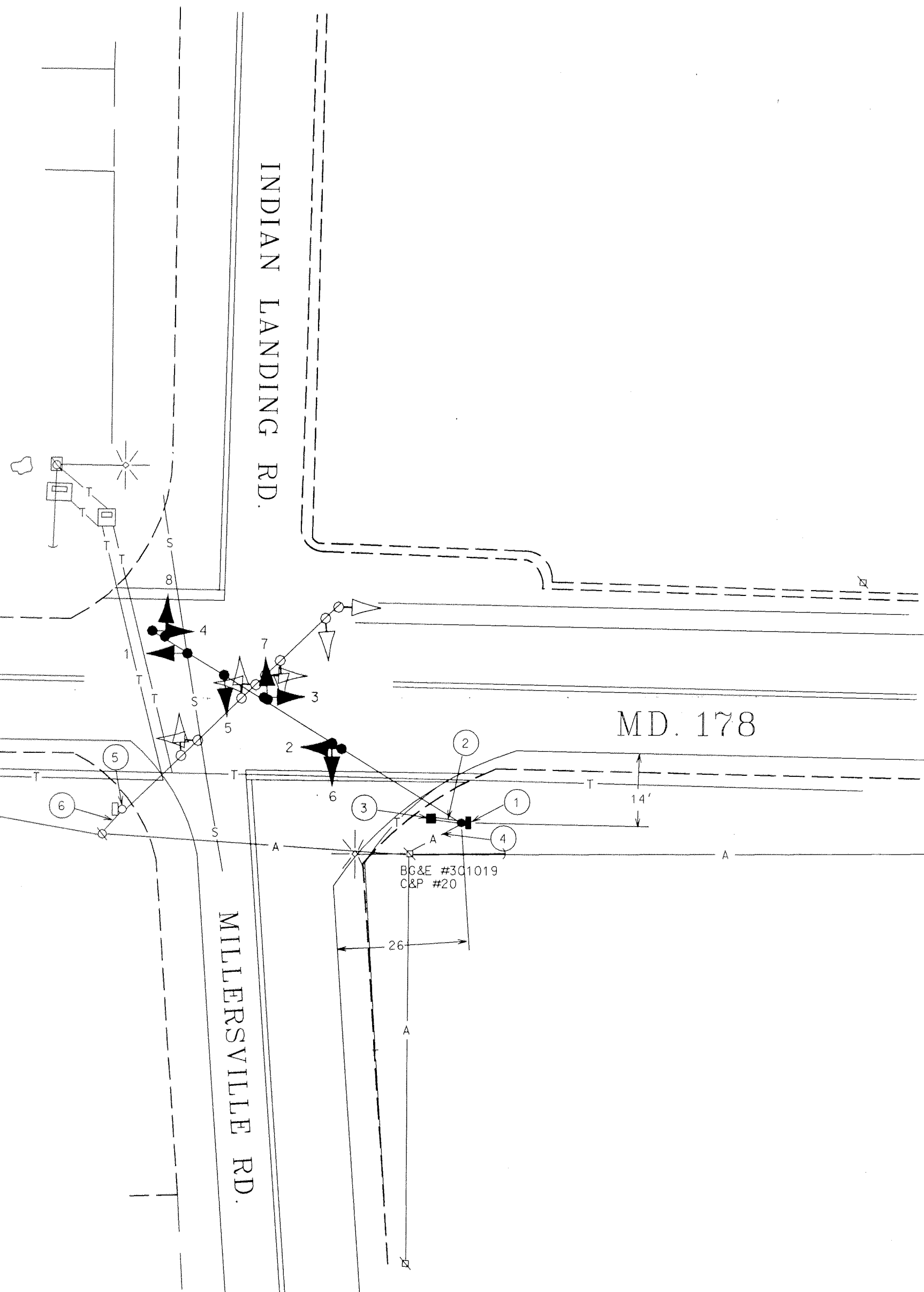
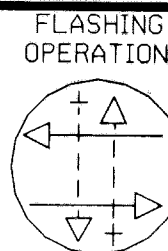
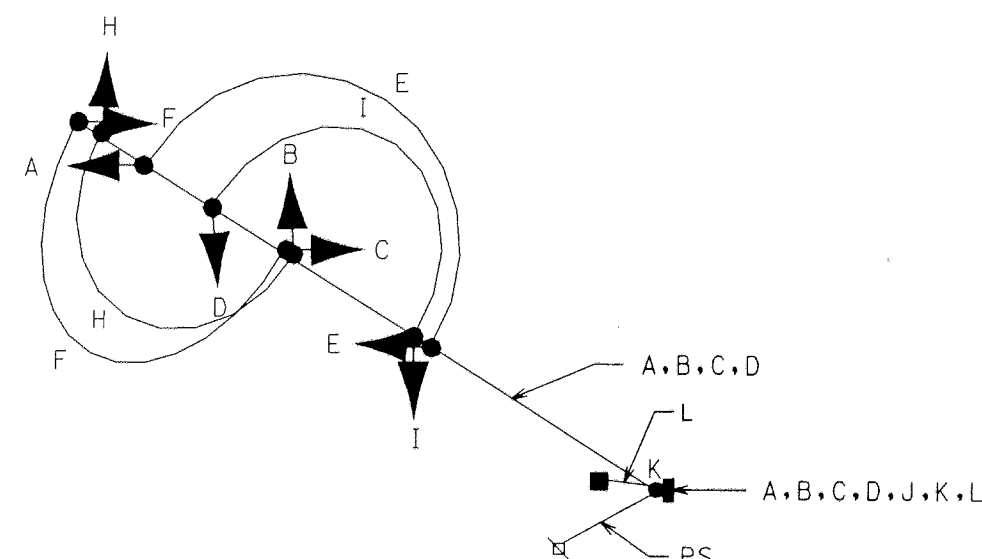
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
6001	24 S.F.	F & I 4" CONCRETE SIDEWALK
8001	4 C.Y.	F & I CONCRETE FOUNDATION
8006	1 EACH	CUT, CLEAN, GALVANIZE, & CAP SIGNAL STRUCTURE
8011	8 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8019	1 EACH	INSTALL CONTROLLER WITH POLE MOUNTED CABINET
8027	30 L.F.	F & I 3" SCHEDULE 80 PVC CONDUIT - TRENCHED
8033	1 EACH	F & I ELECTRICAL HANDHOLE
8034	1 EACH	F & I GROUND ROD - 3/4" x 10'
8043	30 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8044	120 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8045	350 L.F.	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8049	20 L.F.	F & I NO. 6 STRANDED BARE COPPER GROUND WIRE
8050	100 L.F.	F & I ELECTRICAL CABLE - 1 CONDUCTOR (NO. 4 AWG)
8058	1 EACH	REMOVE AND DISPOSE OF FOUNDATION 12" BELOW GRADE
8059	1 EACH	REMOVE CONTROLLER, CABINET AND SIGNAL STRUCTURE
8060	1 EACH	DELIVERY OF CONTROLLER, AND CABINET
8061	1 EACH	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8069	30 L.F.	F & I 1" GALVANIZED RISER
8070	1 EACH	F & I CONTROL AND DISTRIBUTION OF EQUIPMENT (120/ 240 V. 1 PH. 3W)
8073	1 EACH	F & I PHOTOCELL
8076	30 L.F.	F & I 1 1/2" GALVANIZED RISER
8084	1 EACH	F & I 27' MAST ARM POLE AND 70' MAST ARM

UTILITY LEGEND

G — C — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

WIRING DIAGRAM

A-D = 7 CONDUCTOR CABLE (NO. 14 AWG)
E-I = 5 CONDUCTOR CABLE (NO. 14 AWG)
J = 1 CONDUCTOR CABLE (NO. 4 AWG) - FOR SERVICE - 3 TIMES
K = 3 CONDUCTOR CABLE (NO. 14 AWG) - FOR PHOTOCELL
L = NO. 6 STRANDED BARE COPPER GROUND WIRE
PS = PROPOSED SERVICE



REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION	
(A) 01/98 - RELOCATE SIGNAL POLE TO S/W CORNER SHA NO. A2795185 W.M. [Signature] J.H.	ASST. DIVISION CHIEF, TEDD	Office of Traffic & Safety	
(B) 03/98 - REVISED PLAN SHEET AS COMMENTS SUBMITTED BY TCDIS SHA NO. A2795185 [Signature]	ORIGINAL	TRAFFIC ENGINEERING DESIGN DIVISION	
	ASST. DISTRICT ENGINEER, TRAFFIC	MD. 178 (GENERALS HWY.) & MILLERSVILLE ROAD/ INDIAN LANDING ROAD	
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION	SIGNAL NO. 02017807J9 DATE: 07/ 1986	
	FILE	DRAWN BY: D.C. Distance F.A.P. NO.: DES. BY: D.C. Distance S.H.A. NO.: 855-25005 CHECK BY: Steve Renzi SCALE: 1" = 20' COUNTY: Anne Arundel	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	PLAN SHEET NO.: TS-2203 SHEET NO.: 4 OF 1	